

CLAIMS

What is claimed is:

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1. A light-duty dumping mechanism for use on a pick-up truck chassis, comprising:

a powder-molded pick-up truck box bed having a sandwiched plastic configuration formed from melted particulate material in a heated mold, said powder-molded
10 pick-up truck box bed including an inner and an outer skin with a foamed core center extending therebetween;

at least one metallic stanchion supporting insert encapsulated within the sandwiched plastic configuration pick-up truck box bed;

a lifting mechanism attached to at least one metallic stanchion
15 encapsulated within the pick-up truck box bed, said lifting mechanism also extending to and attached to the chassis of the pick-up truck; and

a pivot point between and connecting the pick-up truck chassis and the double skinned sandwiched configuration pick-up truck box bed, whereby said lifting mechanism lifts against the stanchion supporting insert and tilts the pick-up truck box bed
20 against the pivot point so that the pick-up truck bed is able to dump its contents.

2. The mechanism of claim 1, further comprising a reinforcing metallic mesh sheet formed to a likeness of the pick-up truck box bed, said reinforcing mesh being formed into the foamed core center of the sandwiched configuration to provide a higher
25 modulus of strength to the pick-up truck box bed.

3. The mechanism of claim 1, further comprising a tailgate capable of extending to the ground for easier loading.